

**Name and Designation of SLM Writers for M.Sc. in Environmental Science
Directorate of Distance Education, Vidyasagar University.**

Part-I

Paper No.	Name of the paper	Unit No.	Title of the Unit	Writer
I	Fundamentals of Environmental Science	1	<i>Basic Aspects of Environmental Science.</i>	Prof. Abhijit Guha, Retd. Professor, Department of Antropology, Vidyasagar University
		2	<i>Global Environment and its segments.</i>	Prof. Debasis Das, Professor Department of Environmental Science, Kalyani University
		3	<i>Fundamentals of Ecology.</i>	Dr. Debdulal Banerjee, Associate Professor, Department of Botany, Vidyasagar University
		4	<i>Environmental Resources</i>	Dr. Misha Roy Assistant Professor, Environmental Science, Directorate of Distance Education, Vidyasagar University
		5	<i>Weather and Climate.</i>	Prof. D.K.Khan Retd. Professor, Department of Environmental Science, Kalyani University
		6	<i>Energy fundamentals.</i>	Prof. R. Bhattacharya, Retd. Professor, Department of Environmental Science, Kalyani University Presently Head of the Department, JIS University
		7	<i>Human Ecology and Ecosystem.</i>	Prof. D.K.Khan Retd. Professor, Department of Environmental Science, Kalyani University
		8	<i>Human Adaptability in Different Environment.</i>	Prof. D.K.Khan Retd. Professor, Department of Environmental Science, Kalyani University ,
		9	<i>Environmental Risk and Hazards.</i>	Prof. D. Some, Professor Department of Geology, Jadavpur University
		10	<i>Human Defense System.</i>	Prof. S.Roy, Retd. Professor Department of Physiology, Vidyasagar University
II	Current Issues and Problems in Environment	1	<i>Environmental Education and Awareness</i>	Prof. S.Jana, Department of Economics, Vidyasagar University

		2	<i>Sacred groves and its conservation values.</i>	Prof. A.R. Ghosh Retd. Professor, Department of Environmental Science University of Burdwan
		3	<i>Environmental Ethics and Global Imperatives.</i>	Prof. A.R. Ghosh Retd. Professor, Department of Environmental Science University of Burdwan
		4	<i>Global environmental problems.</i>	Dr. Jatisankar Bandyopadhyay, Department of Remote Sensing and GIS, Vidyasagar University
		5	<i>National and Regional Environmental Issues</i>	Dr. Misha Roy Assistant Professor, Environmental Science, Directorate of Distance Education, Vidyasagar University
		6	<i>Current Environmental Movements in India.</i>	Prof. Ambarish Mukhopadhyay, Department of Political Science with Rural Administration, Vidyasagar University
		7	<i>Reclamation and Management of Ecosystem.</i>	Prof. Srimanta Gupta, Department of Environmental Science, University of Burdwan
		8	<i>Aspects of Biofertilizer and Biopesticides.</i>	Prof. B.R.Pati, Retd. Professor, Department of Microbiology Vidyasagar University
		9	<i>Management of Freshwater</i>	Prof. Debasis Das, Professor Department of Environmental Science, Kalyani University
		10	<i>Epidemiological Issues.</i>	Prof. S.Roy, Retd. Professor Department of Physiology, Vidyasagar University
		III	Environmental Pollution and Control	1
2	<i>Air pollution Management.</i>			Prof. S.K.Ghorai, Former Director, Directorate of Distance Education, Vidyasagar University
3	<i>Aspects of Water Pollution</i>			Dr. Debdulal Banerjee, Associate Professor, Department of Botany, Vidyasagar University
4	<i>Aspects of Waste water</i>			Dr. Debdulal Banerjee, Associate Professor, Department of Botany, Vidyasagar University

		5	<i>Soil.</i>	Prof. Srimanta Gupta, Department of Environmental Science, University of Burdwan
		6	<i>Impact of Synthetic Fertilizers on soil.</i>	Prof. Srimanta Gupta, Department of Environmental Science, University of Burdwan
		7	<i>Aspects of Noise Pollution.</i>	Prof. P.K. Dhara, Retd. Professor, Dept. of Human Physiology with Community Health, Vidyasagar University Presently-Director, Directorate of Distance Education, Vidyasagar University
		8	<i>Aspects of Marine pollution.</i>	Prof. A.K.Paul, Dept. of Geography and Environment Management, Vidyasagar University
		9	<i>Aspects of Coastal Zone Management</i>	Prof. A.K.Paul, Dept. of Geography and Environment Management, Vidyasagar University
		10	<i>Impact of Pollutants on Human health</i>	Prof. P.K. Dhara, Retd. Professor, Dept. of Human Physiology with Community Health, Vidyasagar University Presently-Director, Directorate of Distance Education, Vidyasagar University
IV	Environmental Impact Assessment(EIA); Eco-planning and Sustainable Development; Environmental Bio- Technology;	1	<i>Basics of EIA</i>	Prof. S.C.Santra, Retd. Professor, Department of Environmental Science, Kalyani University Presently-Visiting Professor, Jadavpur University
		2	<i>Framework of Environmental Assessment.</i>	Prof. S.C.Santra, Retd. Professor, Department of Environmental Science, Kalyani University Presently-Visiting Professor, Jadavpur University
		3	<i>Impact Assessment Methodologies</i>	Prof. S.C.Santra, Retd. Professor, Department of Environmental Science, Kalyani University Presently-Visiting Professor, Jadavpur University
		4	<i>Socioeconomic Impact Analysis (SIA)</i>	Prof. S.C.Santra, Retd. Professor, Department of Environmental Science, Kalyani University Presently-Visiting Professor,

				Jadavpur University
		5	<i>Environmental Planning and Management.</i>	Prof. S.C.Santra, Retd. Professor, Department of Environmental Science, Kalyani University Presently-Visiting Professor, Jadavpur University
		6	<i>Bio-monitoring of Environmental Quality.</i>	Prof. S.C.Santra, Retd. Professor, Department of Environmental Science, Kalyani University Presently-Visiting Professor, Jadavpur University
		7	<i>Sustainable Development.</i>	Prof. S.C.Santra, Retd. Professor, Department of Environmental Science, Kalyani University Presently-Visiting Professor, Jadavpur University
		8	<i>Environmental Biotechnology.</i>	Dr. P.K Mahapatro, Department of Microbiology, Raiganj University
		9	<i>GM Crops and Biofuel Production.</i>	Prof. B.R.Pati, Retd. Professor, Department of Microbiology Vidyasagar University
		10	<i>Environmental Toxicology</i>	Dr. P.K Mahapatro, Department of Microbiology, Raiganj University
V	Methods and Techniques for Environmental Analysis		<i>Practical</i>	Prof. S.C.Santra, Retd. Professor, Department of Environmental Science, Kalyani University Presently-Visiting Professor, Jadavpur University
VI (A)	Methods and Techniques of Environmental Geo-Sciences		<i>Practical</i>	Prof. D.K.Khan Retd. Professor, Department of Environmental Science, Kalyani University

Part-II

Paper No.	Name of the paper	Unit No.	Title of the Unit	Proposed name of the Writer
VII	Environmental Management, Laws and Policies	1	<i>Environmental Management.</i>	Dr. Misha Roy Assistant Professor, Environmental Science, Directorate of Distance Education, Vidyasagar University
		2	<i>Ecosystem Management.</i>	Dr. Misha Roy Assistant Professor, Environmental Science, Directorate of Distance Education, Vidyasagar University
		3	<i>Environmental Management of Industrial pollution.</i>	Prof. S.K. Chakraborty, Department of Zoology, Vidyasagar University
		4	<i>Management of Solid Wastes.</i>	Prof. Ramkrishna Maity, Department of Geography, Vidyasagar University
		5	<i>Basic elements and tools of statistical analysis.</i>	Prof. R. Bhattacharya, Retd. Professor, Department of Environmental Science, Kalyani University Presently Head of the Department, JIS University
		6	<i>Introduction to environmental system analysis.</i>	Prof. R. Bhattacharya, Retd. Professor, Department of Environmental Science, Kalyani University Presently Head of the Department, JIS University
		7	<i>International Environmental Laws.</i>	Prof. D.K.Khan Retd. Professor, Department of Environmental Science, Kalyani University
		8	<i>Global Environmental issues and International laws.</i>	Dr. Misha Roy Assistant Professor, Environmental Science, Directorate of Distance Education, Vidyasagar University
		9	<i>Environmental laws in India.</i>	Prof. D.K.Khan Retd. Professor, Department of Environmental Science, Kalyani University
		10	<i>Sanction and Enforcement Bodies of Environmental laws in India.</i>	Prof. D.K.Khan Retd. Professor, Department of Environmental Science, Kalyani University

VIII	Conventional and Non-Conventional Energy Resources	1	<i>Sources of energy and their classification.</i>	Dr. Misha Roy Assistant Professor, Environmental Science Directorate of Distance Education, Vidyasagar University
		2	<i>Energy use pattern.</i>	Dr. Misha Roy Assistant Professor, Environmental Science Directorate of Distance Education, Vidyasagar University
		3	<i>Fossil Fuels.</i>	Dr. Jatisankar Bandyopadhyay, Department of Remote Sensing and GIS, Vidyasagar University
		4	<i>Bio-energy.</i>	Mr. Debesh Ch. Bhattacharya, Dept. of Microbiology, Vidyasagar University
		5	<i>Nuclear energy.</i>	Prof. R. Bhattacharya, Retd. Professor, Department of Environmental Science, Kalyani University Presently Head of the Department, JIS University
		6	<i>Solar Energy</i>	Prof. R. Bhattacharya, Retd. Professor, Department of Environmental Science, Kalyani University Presently Head of the Department, JIS University
		7	<i>Wind energy.</i>	Prof. R. Bhattacharya, Retd. Professor, Department of Environmental Science, Kalyani University Presently Head of the Department, JIS University
		8	<i>Hydroelectricity.</i>	Prof. Debasish Das, Department of Environmental Science Kalyani University
		9	<i>Geothermal energy.</i>	Prof. D. Some, Dept. Geological Science, Jadavpur University
		10	<i>Hydrothermal energy.</i>	Prof. Pradeep Sikdar Indian Institute of Social Welfare & Business Management (IISBWM)
IX	Environmental Chemistry and Environmental Geosciences	1	<i>Chemical Thermodynamics</i>	Dr. Pradipta Chandra, Indian Institute of Technology, Kharagpur
		2	<i>Photochemistry.</i>	Dr. Pradipta Chandra, Indian Institute of Technology, Kharagpur
		3	<i>Analytical Methods in Environmental Quality Assessment.</i>	Dr. Debdulal Banerjee, Associate Professor, Department of Botany, Vidyasagar University

		4	<i>Bioinorganic chemistry.</i>	Prof. Naba Kumar Mondal Department of Environmental Science University of Burdwan
		5	<i>Geological time scale.</i>	Dr. Jatisankar Bandyopadhyay, Department of Remote Sensing and GIS, Vidyasagar University
		6	<i>Geomorphological process.</i>	Prof. A.K.Paul, Dept. of Geography and Environment Management, Vidyasagar University
		7	<i>Hydrological cycles and groundwater issues.</i>	Prof. Debasis Das, Professor Department of Environmental Science, Kalyani University
		8	<i>Natural Hazards and its Management.</i>	Prof. A.K.Paul, Dept. of Geography and Environment Management, Vidyasagar University
		9	<i>Environmental issues related to mining and construction.</i>	Prof. S.C.Santra, Retd. Professor, Department of Environmental Science, Kalyani University Presently-Visiting Professor, Jadavpur University
		10	<i>Biogeochemical Cycle</i>	Prof. D. Some, Dept. Geological Science, Jadavpur University
X	Environmental Biology, Biodiversity and Conservational Biology, Study of Different Ecosystems/ Biomes	1	<i>Diversities of life forms.</i>	Prof. S.K. Chakraborty, Department of Zoology, Vidyasagar University
		2	<i>Plant Diversity</i>	Prof. S.C.Santra, Retd. Professor, Department of Environmental Science, Kalyani University Presently-Visiting Professor, Jadavpur University
		3	<i>Animal Diversity</i>	Prof. Sagar Acharya, Dept. of Zoology, Vidyasagar University
		4	<i>Microbial Diversity</i>	Dr. Debdulal Banerjee, Associate Professor, Department of Botany, Vidyasagar University
		5	<i>Biodiversity and Wildlife.</i>	Dr. Priyanka Halder, Department of Zoology, Vidyasagar University

		6	<i>Global Biodiversity conservation strategies</i>	Dr. Misha Roy Assistant Professor, Environmental Science Directorate of Distance Education, Vidyasagar University
		7	<i>Forest Ecology</i>	Prof. S.C.Santra, Retd. Professor, Department of Environmental Science, Kalyani University Presently-Visiting Professor, Jadavpur University
		8	<i>Conservation of Forest</i>	Dr. Somnath Rudra, Dept. of Geography, Vidyasagar University
		9	<i>Aquatic Ecology</i>	Prof. Pratap Kumar Mukhopadhyay Scientist Central Institute of Fresh Water Aquaculture
		10	<i>Study of different Ecosystems/ Biomes.</i>	Prof. S.C.Santra, Retd. Professor, Department of Environmental Science, Kalyani University Presently-Visiting Professor, Jadavpur University
XI	Analytical studies on Environmental Parameters		<i>Practical</i>	Prof. S.C.Santra, Retd. Professor, Department of Environmental Science, Kalyani University Presently-Visiting Professor, Jadavpur University Dr. Subarna Bhattacharya Department of Environmental Studies Jadavpur University Prof. D.K.Khan Retd. Professor, Department of Environmental Science, Kalyani University